This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

 (Original) Liquid-crystalline medium based on a mixture of polar compounds, characterised in that it comprises one or more compounds of the formula I

$$R^1 \longrightarrow H \longrightarrow C \longrightarrow L^2$$

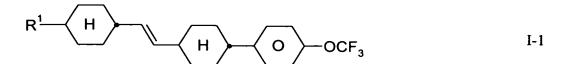
in which

R¹ is a halogenated or unsubstituted alkyl or alkoxy radical having from 1 to 15 carbon atoms, where, in addition, one or more CH₂ groups in these radicals may each, independently of one another, be replaced by -C≡C-, -CH=CH-, -O-, -CO-O- or -O-CO- in such a way that O atoms are not linked directly to one another,

X is F, Cl, CN, a halogenated alkyl radical, a halogenated alkenyl radical, a halogenated alkoxy radical or a halogenated alkenyloxy radical having up to 6 carbon atoms, and

 L^1 and L^2 are each, independently of one another, H or F.

- 2. (Original) Liquid-crystalline medium according to Claim 1, characterised in that R^1 = alkenyl in the compound of the formula I.
- 3. (Currently Amended) Liquid -crystalline medium according to Claim 1 or 2, characterised in that it comprises one, two or more compounds of the formulae I-1 to I-15



$$R^1$$
 H O O O O $I-2$

$$R^{1}$$
 H
 O
 F
 $I-3$

$$R^1$$
 H O F

$$R^1$$
 H O F $I-5$

$$R^{1}$$
 H
 O
 F
 $I-6$

$$R^1$$
 H O OCF_2CHFCF_3 I-7

$$R^{1}$$
 H O OCHF₂

$$R^1$$
 H O O OCHF₂

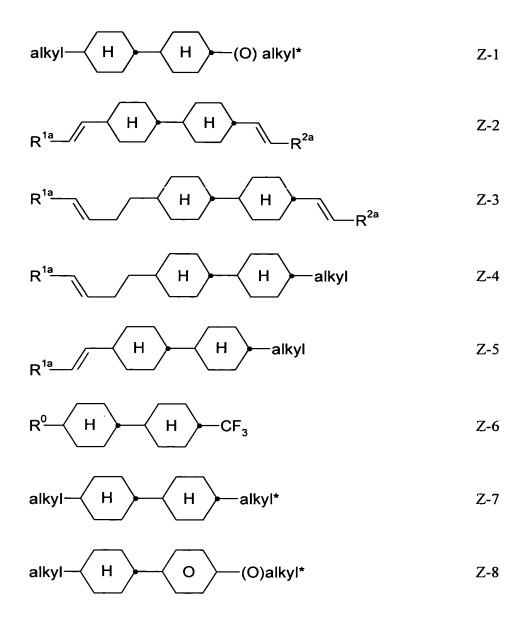
$$R^1$$
 H O CI $I-13$

$$R^{1}$$
 H O CI $I-14$

$$R^1$$
 H
 O
 F
 $I-15$

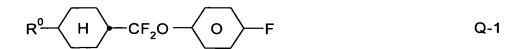
in which R¹ is as defined in Claim 1.

4. (Currently Amended) Liquid -crystalline medium according to <u>claim 1</u> one of <u>Claims 1 to 3</u>, characterised in that it comprises one, two or more bicyclic compounds of the formulae Z-1 to Z-8



in which R^{1a} and R^{2a} are each, independently of one another, H, CH_3 , C_2H_5 or n- C_3H_7 , and alkyl and alkyl* are each, independently of one another, a straight-chain or branched alkyl group having 1-7 carbon atoms.

5. (Currently Amended) Liquid-crystalline medium according to <u>claim 1</u> one of Claims 1 to 4, characterised in that it comprises one or more compounds of the formulae Q-1 to Q-15



$$R^0$$
— CF_2O — O — F Q-2

$$R^0$$
 H CF_2O O F $Q-3$

$$R^0$$
 H CF_2O O F Q-4

$$R^0$$
 H CF_2O O F $Q-5$

$$R^0$$
 H CF_2O O F $Q-6$

$$R^0$$
 H CF_2O O OCF_3 Q-7

$$R^0$$
 H \rightarrow CF_2O O \rightarrow OCF_3 Q-8

$$R^0 \longrightarrow O \longrightarrow CF_2O \longrightarrow F$$
 Q-10

$$R^0 \longrightarrow O \longrightarrow CF_2O \longrightarrow F$$
 Q-11

$$R^0 \longrightarrow O \longrightarrow CF_2O \longrightarrow F$$
 Q-12

$$R^0 \longrightarrow O \longrightarrow CF_2O \longrightarrow OCF_3$$
 Q-13

$$R^0 \longrightarrow O \longrightarrow CF_2O \longrightarrow OCF_3$$
 Q-14

$$R^0 \longrightarrow O \longrightarrow CF_2O \longrightarrow O \longrightarrow OCF_3$$
 Q-15

in which

R⁰ is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms.

6. (Currently Amended) Liquid -crystalline medium according to <u>claim 1</u> one of <u>Claims 1 to 5</u>, characterised in that it additionally comprises one or more compounds selected from the group consisting of the general formulae II, III, IV, V and VI:

$$R^0$$
 H O X^0 II

$$R^0 \longrightarrow H \longrightarrow C_2H_4 \longrightarrow O \longrightarrow X^0$$
 III

$$R^0$$
 H O Y^3 Y^1 V Y^0 V

$$R^0 \longrightarrow H \longrightarrow O \longrightarrow X^0$$

$$R^0$$
 H Z^0 O X^0 VI

in which the individual radicals have the following meanings:

R⁰ is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms,

X⁰ is F, Cl, halogenated alkyl, halogenated alkenyl, halogenated alkenyloxy or halogenated alkoxy having up to 6 carbon atoms,

Z⁰ is $-C_2F_4$ -, -CF=CF-, $-C_2H_4$ -, $-(CH_2)_4$ -, $-OCH_2$ -, $-CH_2O$ -, $-CF_2O$ - or $-OCF_2$ -,

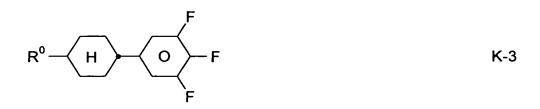
Y¹ to Y⁴ are each, independently of one another, H or F,

r is 0 or 1.

- 7. (Original) Liquid-crystalline medium according to Claim 6, characterised in that the proportion of compounds of the formulae I to VI together in the mixture as a whole is at least 50% by weight.
- 8. (Currently Amended) Liquid -crystalline medium according to <u>claim 1</u> at least one of <u>Claims 1 to 7</u>, characterised in that it additionally comprises one or more compounds of the formulae K-1 to K-27

$$R^0 \longrightarrow H \longrightarrow O \longrightarrow F$$
 K-1

$$R^0 \longrightarrow F$$
 K-2



$$R^0 - H - COO - F$$
 K-4

$$R^0 \longrightarrow R^0 \longrightarrow R^0$$

$$R^0 \longrightarrow H \longrightarrow COO \longrightarrow F \longrightarrow K-6$$

$$R^0 \longrightarrow CF_2O \longrightarrow F$$
 K-7

$$R^0 - H - CF_2O - O - F$$
 K-8

$$R^0 - H - CF_2O - O - F$$
 $K-9$

$$R^0 \longrightarrow H \longrightarrow O \longrightarrow CI$$
 K-10

$$R^0 \longrightarrow H \longrightarrow O \longrightarrow CI$$
 K-11

$$R^0 \longrightarrow H \longrightarrow O \longrightarrow CI$$
 K-12

$$R^0 - H - COO - O - CI$$
 K-13

$$R^0$$
 H COO O CI $K-14$

$$R^0 \longrightarrow H \longrightarrow COO \longrightarrow CI$$
 K-15

$$R^0 \longrightarrow CF_2O \longrightarrow CI$$
 K-16

$$R^0 - CF_2O - CI$$
 K-17

$$R^0 - CF_2O - CI$$
 K-18



$$R^0 \longrightarrow H \longrightarrow O \longrightarrow OCF_3$$
 K-20

$$R^0 \longrightarrow H \longrightarrow O \longrightarrow OCF_3$$
 K-21

$$R^0 \longrightarrow H \longrightarrow COO \longrightarrow OCF_3$$
 K-22

$$R^0 \longrightarrow H \longrightarrow COO \longrightarrow OCF_3$$
 K-23

$$R^0$$
 — COO — O — OCF_3 K-24

$$R^0 - H - CF_2O - O - OCF_3$$
 K-25

$$R^0 - H - CF_2O - O - OCF_3$$
 K-26

$$R^0 - H - CF_2O - O - OCF_3$$
 K-27

in which R⁰ is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms.

R⁰ is as defined in Claim 6.

9. (Currently Amended) Liqui d-crystalline medium according to <u>claim 1</u> at least one of <u>Claims 1 to 8</u>, characterised in that it comprises one or more compounds of the formulae IIa to IIg

$$R^0$$
 H O OCHF₂ IIIf

in which R⁰ is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms.

R⁰ is as defined in Claim 6.

10. (Currently Amended) Liquid -crystalline medium according to <u>claim 1</u> one of <u>Claims 1 to 9</u>, characterised in that it comprises one or more compounds of the formulae O1 and O2

in which

alkyl and alkyl* are each, independently of one another, a straight-chain or branched alkyl group having 1-7 carbon atoms.

- 11. (Currently Amended) Liquid -crystalline medium according to <u>claim 1</u> at least one of Claims 1 to 10, characterised in that the proportion of compounds of the formula I in the mixture as a whole is from 0.5 to 40% by weight.
- 12. (Currently Amended) Use of the liquid -crystalline medium according to <u>claim</u>

 <u>1 at least one of Claims 1 to 11</u> for electro-optical purposes.

13. (Currently Amended) Electro -optical liquid-crystal display containing a liquid-crystalline medium according to <u>claim 1</u> at least one of <u>Claims 1 to 11</u>.